

# ASD-200

The device detects early signs of fire. It works as part of the **ABAX 2/ABAX** two-way wireless system. In **ABAX 2**, radio communication is AES encrypted.

The detector is equipped with a photoelectric visible smoke sensor placed in a special measuring chamber, whose unique design ensures high sensitivity of the detector. The precision Hexamesh stainless steel filter prevents particles of dirt and small insects from entering the chamber. The **ASD-200** also has a thermal sensor that reacts to exceeding the threshold of or a sudden increase in temperature. The alarm is signaled acoustically and optically. In addition, the detector controls the condition of the optical chamber: if it becomes clogged with dust, the LED indicates that maintenance is required.

**ASD-200** is characterized by low energy consumption. This model is powered by a CR123A 3 V battery, whose status is monitored: voltage drop below a defined level is indicated visually and audibly. Additionally, the "ECO" option (available in **ABAX 2** only) extends the device operation time even fourfold without having to replace the battery.

The device has tamper protection against opening of the enclosure.

- photoelectric sensor of visible smoke
- integrated thermal sensor
- acoustic and optical alarm signaling
- compatible with:
  - ABAX 2 system controllers (**ACU-220** and **ACU-280**) and **ARU-200** radio signal repeater
  - ABAX system controllers (**ACU-120**, **ACU-270**, **ACU-250** and **ACU-100** (min. version 4.04), **INTEGRA 128-WRL** control panel and **ARU-100** radio signal repeater – the required version of the device firmware should be checked in its description on the website
- range of radio communication in the open area:
  - in ABAX 2: up to 2000 m (with **ACU-220**) / up to 1600 m (with **ACU-280**)
  - in ABAX: up to 500 m
- remote firmware update
- unique Swirl chamber for quicker smoke detection
- Hexamesh precision stainless steel filter
- testing function
- chamber soiling indication
- low energy consumption and battery status check
- "ECO" option for extending battery life (in **ABAX 2** only)
- power supply: CR123A 3 V battery
- tamper protection against opening of the enclosure



Standby current consumption	30 $\mu$ A
Static response temperature	2,75 V
Temperature measurement range	54 °C
Temperature measurement range	0 °C...+55 °C
Radio communication range (in open area) for ACU-280	up to 1200 m
Radio communication range (in open area) for ACU-220	up to 2000 m
Radio communication range (in open area) for ACU-270	up to 500 m
Radio communication range (in open area) for ACU-120	up to 500 m
Temperature measurement accuracy	$\pm 1$ °C
Battery working time (in years)	up to 2
Battery	CR123A 3V
Operating frequency band	868,0 $\div$ 868,6 MHz
Maximum humidity	93 $\pm$ 3%
Weight	172 g
Max. current consumption	50 mA
Operating temperature range	0 °C...+55 °C
Enclosure dimensions	$\varnothing$ 108 x 61 mm